

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3872378	hole gap opening cavity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:54
L2	190123	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens\$3 receiv\$3 detect\$4) near3 diode) photodiode\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:54
L3	24211	1 same 2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
L4	655	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
L5	248	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
L6	357	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
L7	89	(L4 L5 L6) and (1 same 2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
L8	67	(L4 L5 L6) and (1 with 2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
S1	1	("20040105378").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:52
S2	770489	laser ((light beam) near2 (emitter element))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:36
S3	4018255	step level	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S4	188412	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens\$3 receiv\$3 detect\$4) near3 diode) photodiode\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S5	1041480	electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S6	21374	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:31
S7	529	S6 near5 ((external outside) wire)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:31

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S8	12	S2 and S3 and S4 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:38
S9	7	("20040075527"   "6115515"   "6215295"   "6256331"   "6257772"   "6282352"   "6467972").PN. OR ("6934448"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/17 16:11
S10	1285813	laser ((light beam) near2 (emit\$4 element diode)) LD LED	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:42
S11	17	S10 and S4 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:42
S12	683	S10 and S4 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:43
S13	129861	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:37
S14	177	S13 and S4 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:48
S15	956949	fiber waveguide	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:44
S16	83	S14 and S15	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:45
S17	42816	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/08/17 17:44
S18	7	S14 and S17	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:45
S19	19	("5671315"   "5896481"   "6141471").PN. OR ("6257772"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 10:55
S20	2211	(385/88).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S21	924	(385/89).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S22	3040	(385/14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S23	21541	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:42

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S24	1293347	laser ((light beam) near2 (emit\$4 element diode)) LD LED	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:42
S25	4038613	step level	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:43
S26	6079971	plual\$5 dual several many two three four	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:36
S27	157192	S26 near5 S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:37
S28	183829	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural\$5 parallel two three four)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:47
S29	35727	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:40
S30	189299	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens\$3 receiv\$3 detect\$4) near3 diode) photodiode\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:47
S31	11	S28 and S25 and S23 and S30 and S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:49
S32	43007	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 16:57
S33	40710	("385").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 16:57
S34	318	(S32 S33) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S35	241	(S32 S20 S21 S22) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S36	14	(S20 S21 S22) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S37	1	("6985424").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/14 15:29
S38	653	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:11
S39	248	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:11

## EAST Search History

S40	357	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:12
S41	131245	(laser:((light beam) near2:(emit\$4 element:diode)) LD:LED) near3 (multiple many:several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12
S42	21653	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12
S43	189935	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens\$3 receiv\$3 detect\$4) near3 diode) photodiode\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12
S44	35895	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:14
S45	2	(S38 S39 S40) and S41 and S42 and S43 and S44	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:14